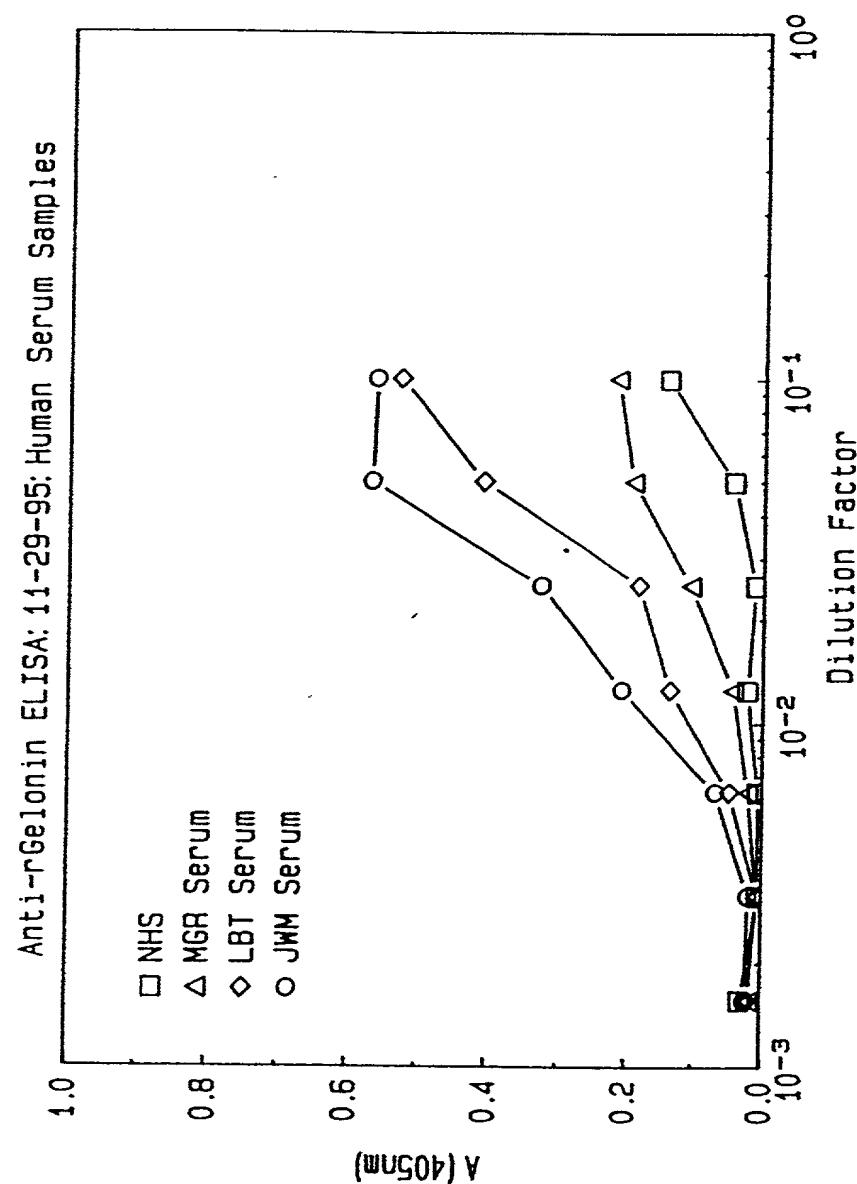
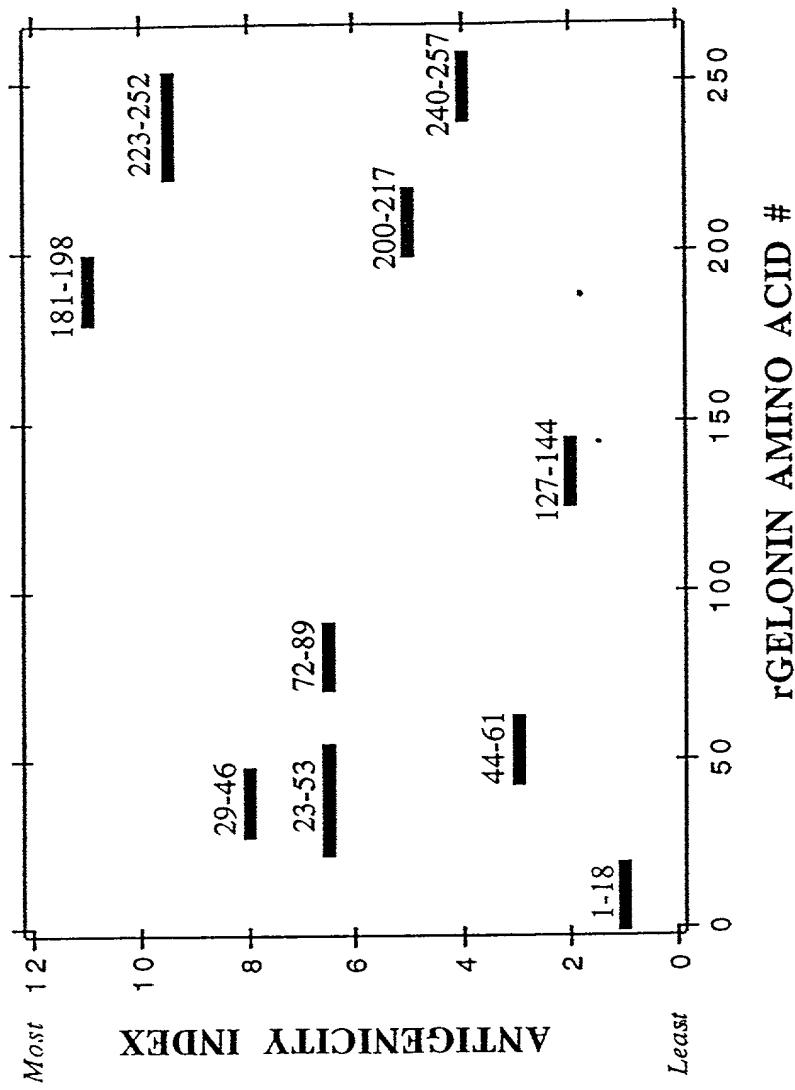


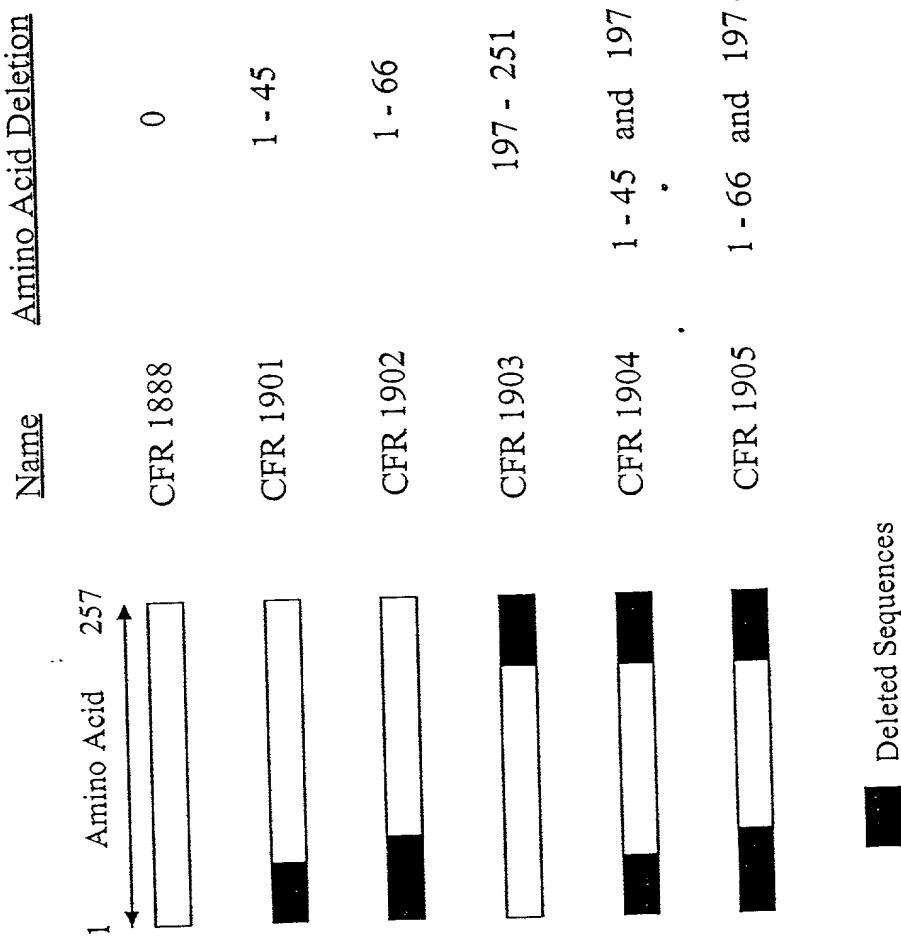
FIG. 1



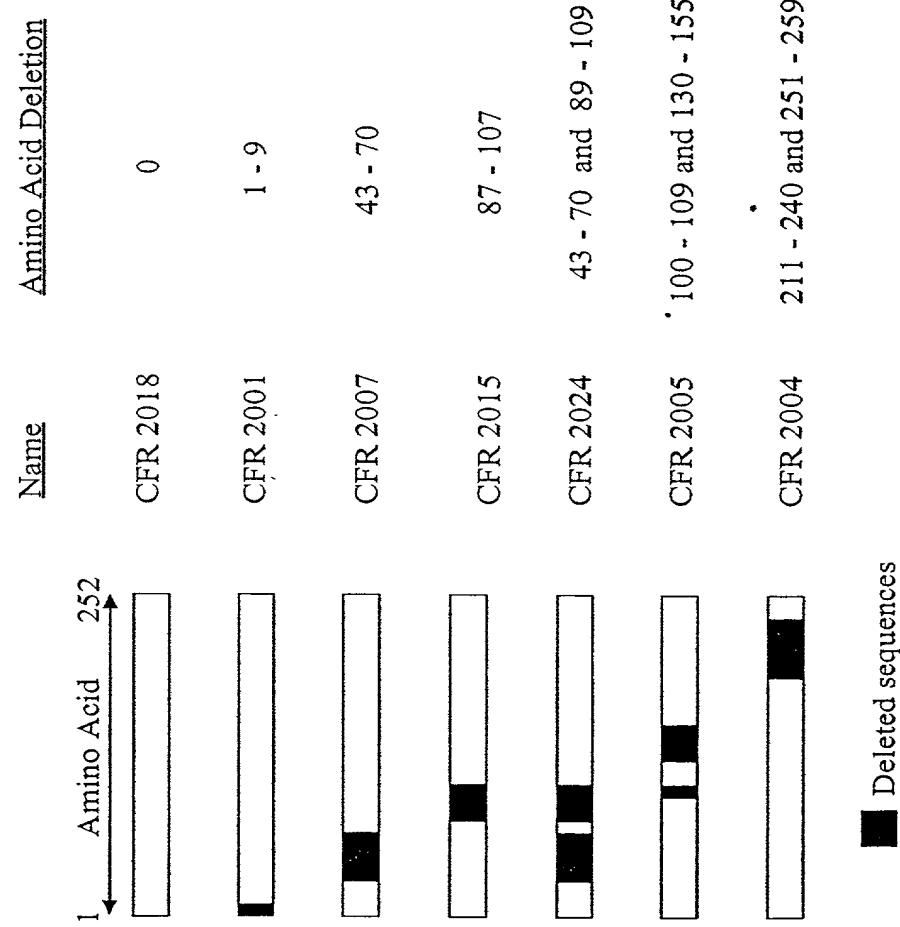
**FIG. 2**



**FIG. 3A**



**FIG. 3B**



# Construction of sFvMEL-Gel

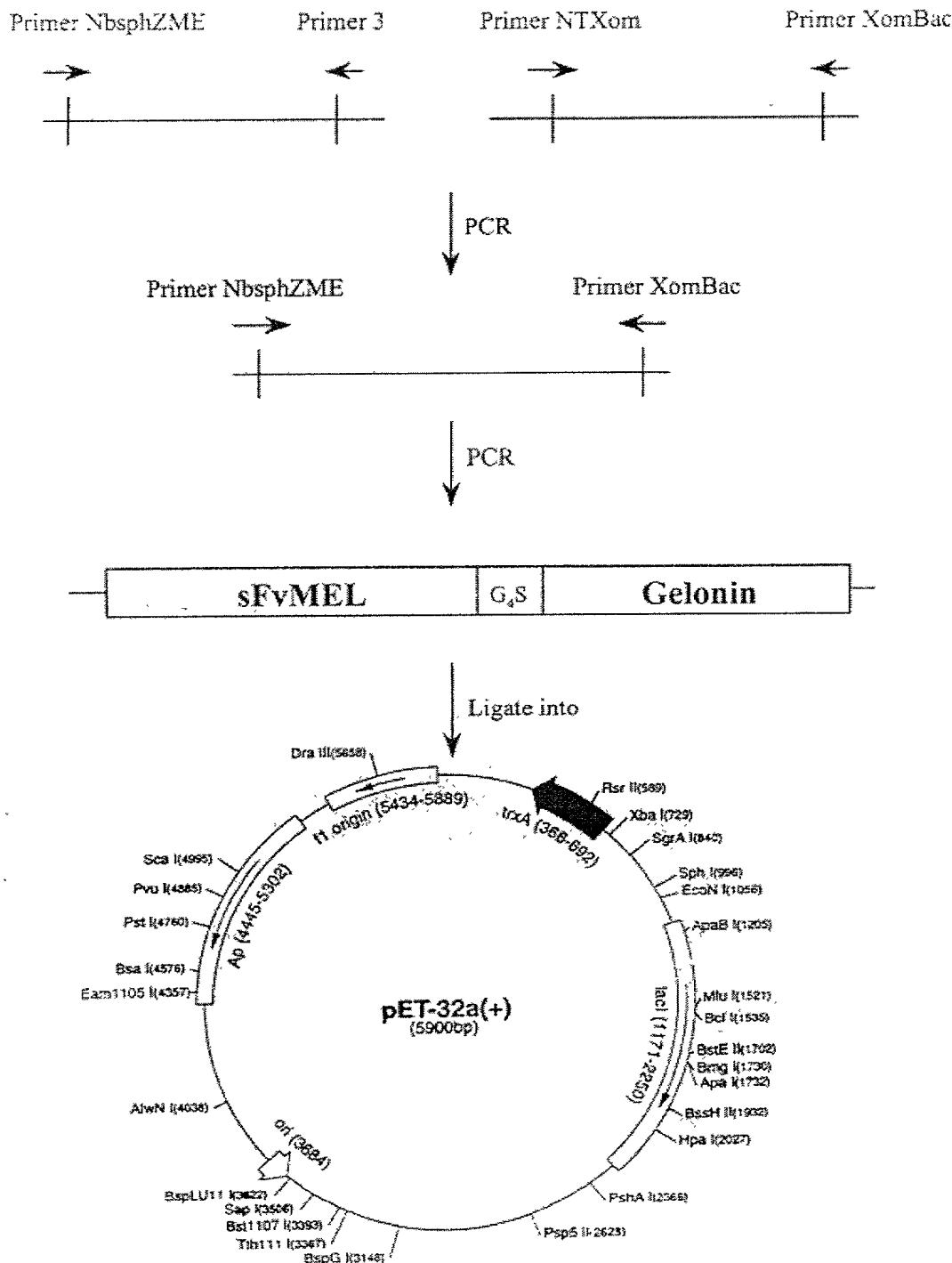


FIG. 4

SCFV-MEL→

ATG ACG GAC ATT GTG ATG ACC CAG TCT CAA AAA TTC ATG TCC ACA TCA GTA GGA 18  
LCDR1

GAC AGG GTC AGC GTC ACC **TGC** AAG GCC AGT CAG AAT GTG GAT ACT AAT GTA GCC 36

TGG TAT CAA CAA AAA CCA GGG CAA TCT CCT GAA CCA CTG CTT TTC TCG GCA TCC 54  
LCDR2

TAC CGT TAC ACT GGA GTC CCT GAT CCC TTC ACA GGC AGT GGA TCT GGG ACA GAT 72

TTC ACT CTC ACC ATC AGC AAT GTG CAG TCT GAA GAC TTG GCA GAG TAT TTC **TGT** 90  
LCDR3

CAG CAA TAT AAC AGC TAT CCT CTG ACG TTC GGT GGA GGC ACC AAG CTG GAG ATC 108  
218 Linker

AAA GGC TCC ACC AGC GGC AGC GGT AAG CCA GGC TCC GGC GAA GGC AGC ACC AAA 126

GGC GAA GTG AAG GTT GAG GAG TCT GGA GGA GGC TTG GTG CAA CCT GGA GGA TCC 144  
HCDR1

ATG AAA CTC TCC **TGT** GTT GTC TCT GGA TTC ACT TTC GGT AAT TAC TGG ATG AAC 162

TGG GTC CGC CAG TCT CCA GAG AAG GGG CTT GAG TGG ATT GCA GAA ATT AGA TTG 180  
HCDR2

AAA TCC AAT AAT TTT GCA AGA TAT TAT CCG GAG TCT GTG AAA GGG AGG TTC ACC 198

ATC TCA AGA GAT GAT TCC AAA AGT AGT GTC TAC CTG CAA ATG ATC AAC CTA AGA 216  
HCDR3

GCT GAA GAT ACT GGC ATT TAT TAC **TGT** ACC AGT TAT GGT AAC TAC GTT GGG CAC 234

TAT TTT GAC CAC TGG GGC CAA GGC ACC ACT CTC ACC GTC TCC TCA GCT AGC GGT 252  
G<sub>S</sub> Linker      Gelonin→

GGC GGT GGC TCC GGT CTA GAC ACC GTG AGC TTT AGC ACT AAA GGT GCC ACT TAT 270

ATT ACC TAC GTG AAT TTC TTG AAT GAG CTA CGA GTT AAA TTG AAA CCC GAA GGT 288

AAC AGC CAT GGA ATC CCA TTG CTG CGC AAA AAA **TGT** GAT GAT CCT GGA AAG **TGT** 306

TTC GTT TTG GTA GCG CTT TCA AAT GAC AAT GGA CAG TTG GCG GAA ATA GCT ATA 324

GAT GTT ACA AGT GTT TAT GTG GTG GGC TAT CAA GTA AGA AAC AGA TCT TAC TTC 342

TTT AAA GAT GCT CCA GAT GCT GCT TAC GAA GGC CTC TTC AAA AAC ACA ATT AAA 360

ACA AGA CTT CAT TTT GGC GGC AGC TAT CCC TCG CTG GAA GGT GAG AAG GCA TAT 378

AGA GAG ACA ACA GAC TTG GGC ATT GAA CCA TTA AGG ATT GGC ATC AAG AAA CTT 396

GAT GAA AAT GCG ATA GAC AAT TAT AAA CCA ACG GAG ATA GCT AGT TCT CTA TTG 414

GTT GTT ATT CAA ATG GTG TCT GAA GCA GCT CGA TTC ACC TTT ATT GAG AAC CAA 432

ATT AGA AAT AAC TTT CAA CAG AGA ATT CGC CCG GCG AAT AAT ACA ATC AGC CTT 450

GAG AAT AAA TGG GGT AAA CTC TCG TTC CAG ATC CGG ACA TCA GGT GCA AAT GGA 468

ATG TTT TCG GAG GCA GTT GAA TTG GAA CGT GCA AAT GGC AAA AAA TAC TAT GTC 486

ACC GCA GTT GAT CAA GTA AAA CCC AAA ATA GCA CTC TTG AAG TTC GTC **GAT** AAA 504

End \* \*

GAT CCT AAA TAA TGA

FIG. 5

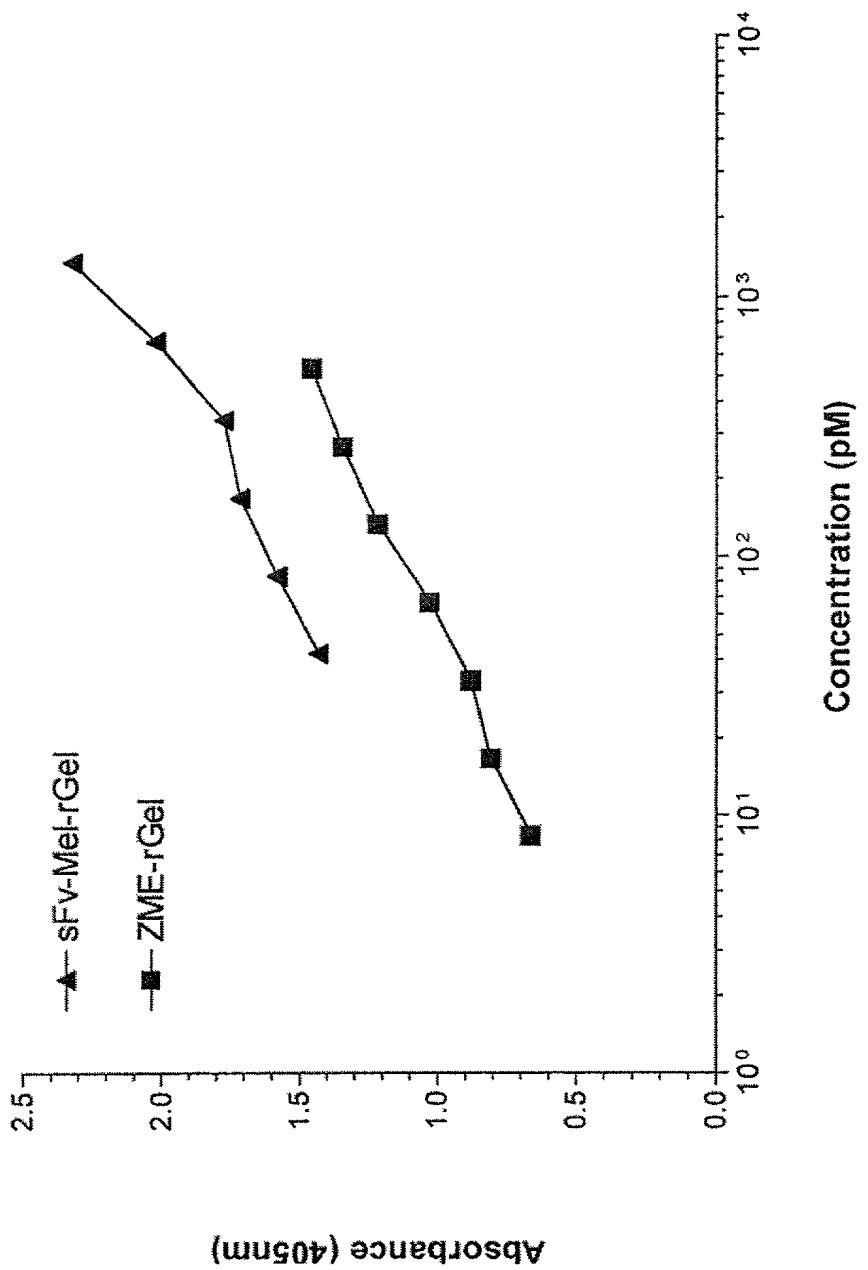


FIG. 6

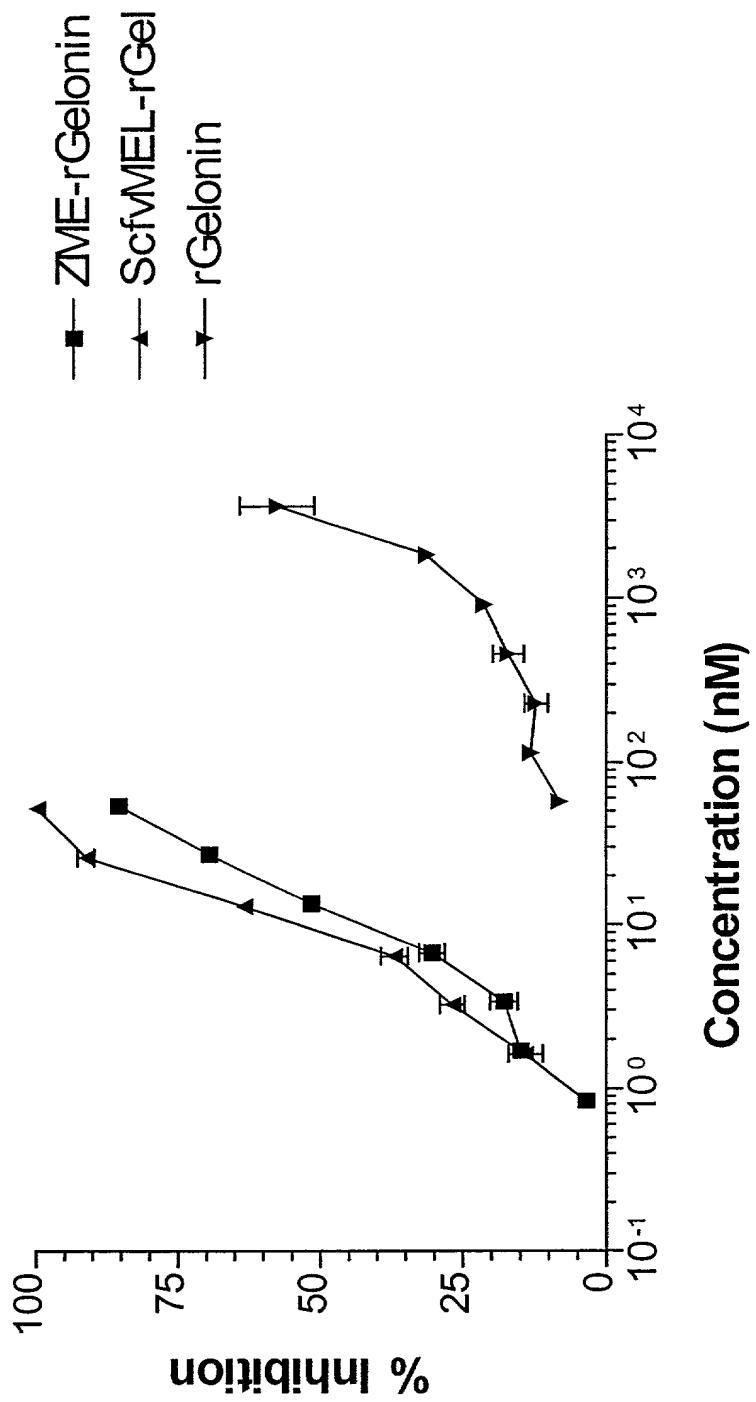


FIG. 7

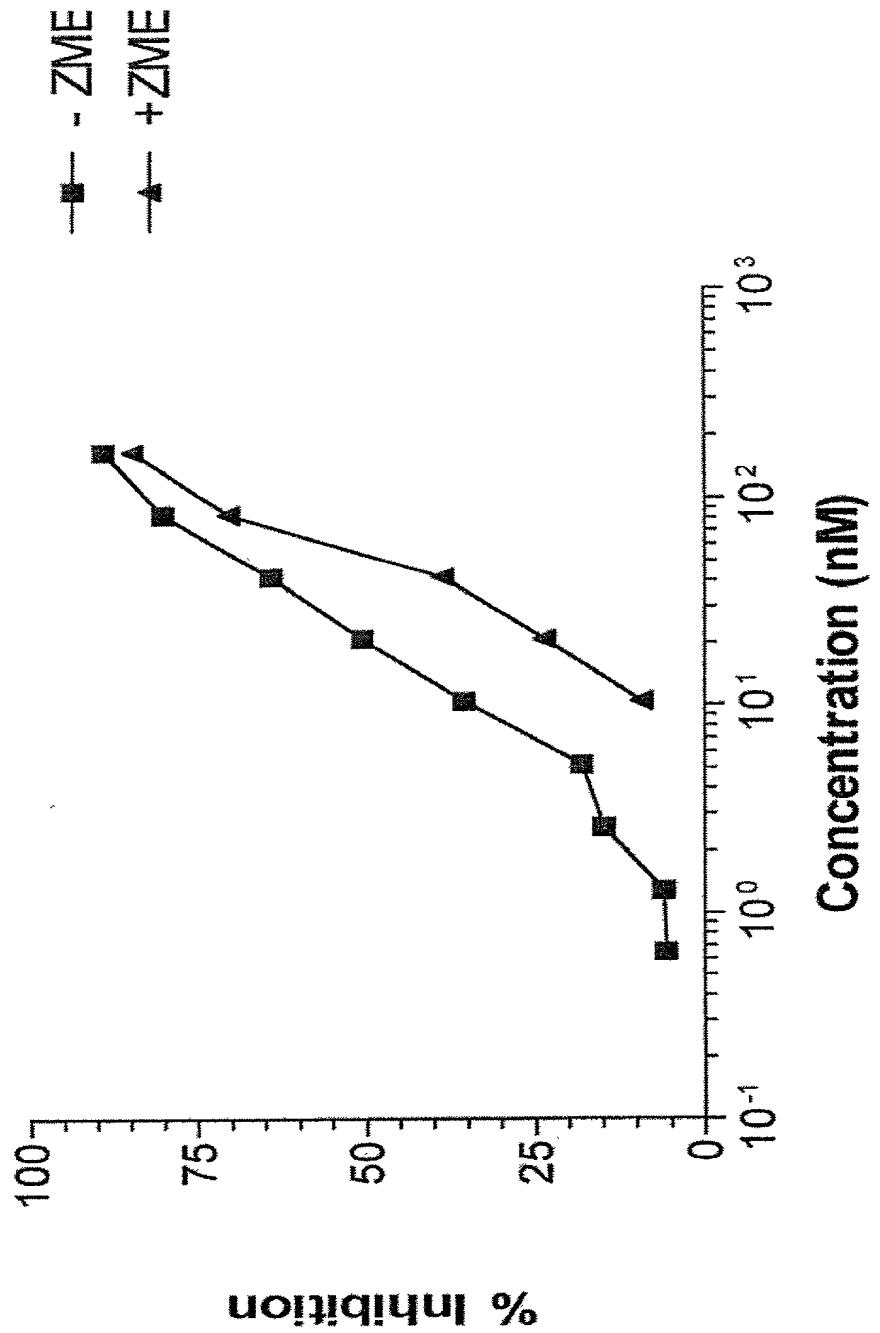


FIG. 8

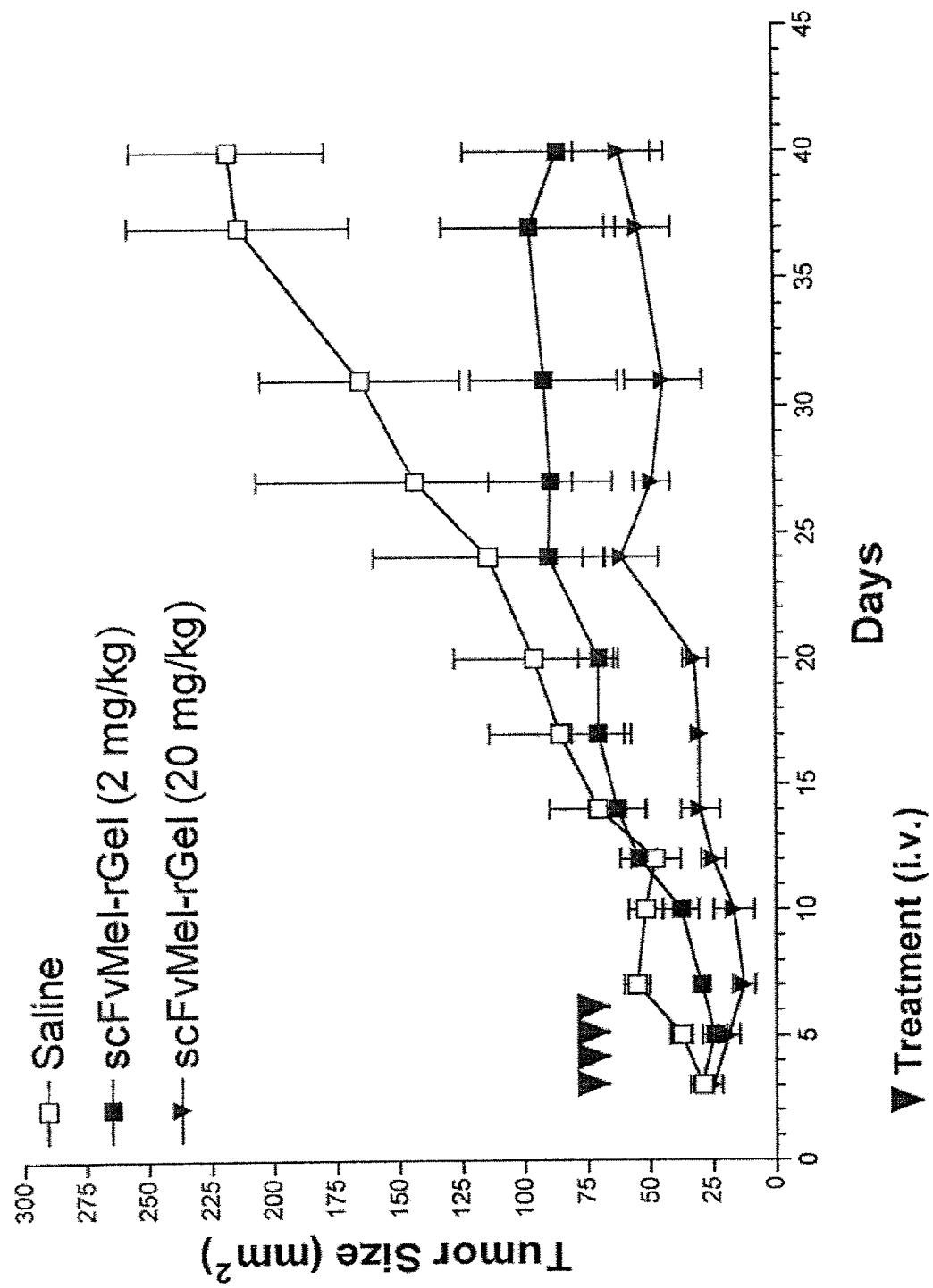


FIG. 9

▼ Treatment (i.v.)

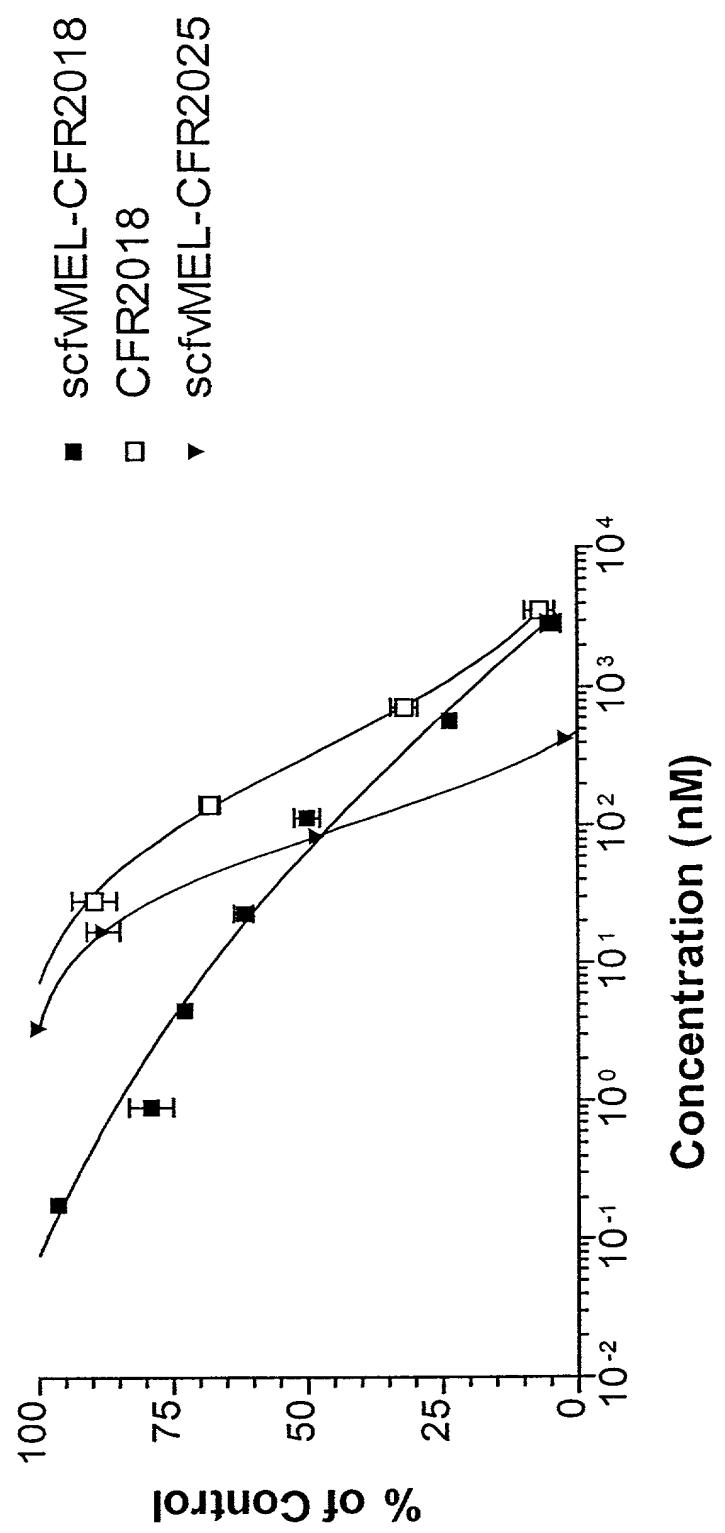


FIG. 10